date: 040908
STAR Trigger Tasks: Shutdown 2004

1. FPD

   (a) find problem with pedestals on East
   (b) troubleshoot FPD east sync problem
   (c) Redo FPE and FPW cabling so cables are no longer dragging on the floor.

2. Scalers

   (a) fix board 5 inputs
   (b) revisit documentation

3. BEMC

   (a) investigate bad cable and stuck bits on Bemc east layer $1->2$ dsms (BE101)
   (b) Install missing cables in BEMC system internal to the DSM tree.
   (c) install remaining header cables into TDSMIs

4. Platform General

   (a) get broken fibers on platform repaired
   (b) get pmd fibers to platform routed thru new mik box
   (c) get fpd east and west fibered to platform for concentrator
   (d) document platform fiber usage and get additionals if necessary

5. TCD-Related Stuff

   (a) Find and fix problems with TCU-TCD-Detector interface that leads to errors of various types when running from the TCU but not when running from any TCD in stand-alone mode.
   (b) Find and fix problem with SVT and SSD not working properly when they are both together in a run.
   (c) Find and fix problems with SVT, SSD and others (BTOW?) dealing with the abort and accept commands.

6. DSM-Tree-Related Stuff

(a) Find and fix problem with DMA transfer and Tonkos fast library. If this is successful, change the DSM test code to use the same DMA routines that are used in the real code.

(b) Find out why the clock registers are not being set and read correctly.

7. TCU-Related Stuff

(a) Update TCU1 to get the final GDX 12:8 programming and the final PROMs.

(b) Get TCU scalar data into database along with Scalar Board data.

8. FPGA-Algorithm-Related Stuff

(a) Review all of Falks algorithms and the documentation. Make sure I understand what is going on and that it all makes sense.

(b) Upgrade all Tier1 files to be using the same, common set of algorithms except for the last DSM algorithm.

(c) Change BB101 algorithm so the scalar output includes the BBC TAC difference.

9. Myrinet-Related Stuff

(a) get myrinet monitors connected to ethernet

(b) Develop and test the software for the above.

10. L2-Related Stuff

(a) fix fans on l2ana01

(b) install UPS for L2 farm

(c) Make sure L2 is documented, any problems are understood and there is a plan for next year. This includes making sure we know what all the detectors do in response to an ABORT command.

11. Online Monitoring

(a) Update the Panitkin plots.

(b) Update Trg2ntp to unpack all the various bits.